

# ABSTRACT

Message cells, cell comprising partially different priorities are transmitted via a first communication network. According to the invention, at least one of the message cells to be transmitted and comprising the same priority is added to a user data field of at least one data packet of a second packet-oriented communication network. A transmission priority (user priority) derived from the priority of the at least one added message cell, cell is associated with the data packet, according to which the at least one data packet is at least partially transmitted with the at least one added message cell, cell to/via the packet-oriented communication network. Advantageously, the message cells comprising the same priority or service category and pertaining to different virtual connections are added to a data or transmission frame of the packet-oriented communication network, thus fulfilling real time requirements.